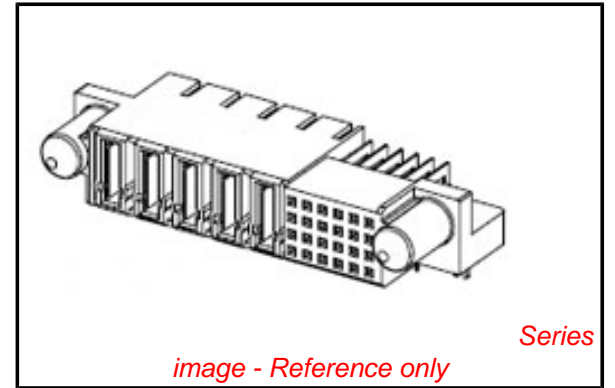


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [87668-2002](#)  
**Status:** **Active**  
**Overview:** EXTreme PowerPlus™ (SSI)  
**Description:** 6.35mm Pitch, Power, 2.54mm Pitch, Signal, EXTreme PowerPlus™ S-Pb Receptacle, Through Hole, Right Angle, Beveled Metal Pins, 0.76µm Gold (Au) Plating, 34 Circuits, Signal 24, Power Beta 10, No Void Pin, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-87631-018 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-87631-006 (PDF)</a>	<a href="#">Product Literature (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">87668</a>
Application	Board-to-Board, Power
Comments	<LI>Void Signal Pin: Nil
Overview	<a href="#">EXTreme PowerPlus™ (SSI)</a>
Product Literature Order No	987650-3002
Product Name	EXTreme PowerPlus™
UPC	822350753180

**Physical**

(p)ower-(s)ignal Configuration	24s - 10p
Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height	12.57mm
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	31.976/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	3.43mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	2.54mm, 6.35mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +105°C

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[87668Series](#)

**Mates With**

[87667 EXTreme PowerPlus™ Right Angle S-Pb Header](#)

Termination Interface: Style

Through Hole

**Electrical**

Current - Maximum per Contact

2.5A, 30A

Voltage - Maximum

50V DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)

10

Lead-free Process Capability

SMC & Wave Capable (TH only)

Max. Cycles at Max. Process Temperature

3

Process Temperature max. C

260

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-87631-018

Product Specification

PS-87631-006

Sales Drawing

SD-87668-014

This document was generated on 01/21/2013

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